

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L4	2226	silicon (column or columnar or rod or pillar)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/05/24 08:00
L5	166	4 and (aspect ratio)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/05/24 08:01
L6	10	("20030231304"   "4674878"   "5255067"   "5306403"   "6002471"   "6081328"   "6174677"   "6248539"   "6406777"   "6623977").PN. OR ("7075642").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/24 08:13
S1	104	((PETER) near2 (SCHUBERT)).INV.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/22 15:48
S2	128	((PETER) near2 (SCHUBERT)).INV.	USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/05/14 15:27
S3	59	((JOHN) near2 (CHRISTENSON)).INV.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/14 15:22
S4	10	((JOHN) near2 (CHRISTENSON)).INV.	EPO; JPO; DERWENT	ADJ	ON	2007/05/14 15:22
S5	35	((DAN) near2 (CHILCOTT)).INV.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/14 15:23
S6	11	((DAN) near2 (CHILCOTT)).INV.	EPO; JPO; DERWENT	ADJ	ON	2007/05/14 15:23
S7	1	("6627148").PN.	USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/05/14 15:29
S8	1	2002-217167.NRAN.	DERWENT	ADJ	ON	2007/05/14 15:27
S9	2	("6627148").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/05/14 15:32
S10	20409	hydrogen near3 stor\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/05/14 15:33

## EAST Search History

S11	223	S10 and ((hydrogen near3 stor\$3) with silicon)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/05/14 15:34
S12	11	("20020096048"   "20020151556"   "20020172820"   "20030008772"   "20030167778"   "6331329"   "6358613"   "6481217"   "6524655"   "6676159"   "6890505").PN. OR ("7135057").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/14 15:45
S13	6	("3516263"   "4195989"   "5616432"   "6193929"   "6305442").PN. OR ("6833118").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/14 15:55
S14	5	("4637967"   "5443616"   "5964965"   "6143052").PN. OR ("6627148").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/14 16:55
S15	11147	hydrogen near5 stor\$3	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/14 16:56
S16	8772	S15 and system	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/14 16:56
S17	2744	S16 and (system with (hydrogen near5 stor\$3))	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/15 12:35
S18	431	S17 and silicon	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/14 16:57
S19	10	S18 and (porous silicon)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/14 16:58
S20	215	"206"/.6.ccls.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/14 16:58
S21	55	S20 and (hydrogen)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/14 16:58
S22	22	S21 and (hydrogen near5 stor\$3)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/15 12:36
S23	5	S22 and (silicon)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/14 17:00
S24	3898	hydrogen storage	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/14 17:00

## EAST Search History

S25	4	S24 and ((hydrogen storage) near3 silicon)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/14 17:01
S26	6	2002/0029820	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/14 17:01
S27	1	"20020029820"	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/14 17:04
S28	3	("20040035401" "6425251" "6627148").PN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/14 17:04
S29	6	"5604162".pn. or "5605171".pn. or "5765680".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/05/18 16:05
S30	5	("5272355"   "5285078"   "5301204").PN. OR ("5765680").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/15 11:04
S31	1	"5964965".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/15 12:35
S32	1	"5908487".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/15 11:04
S33	6385	hydrogen near3 storage	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/15 12:36
S34	44	S33 and (porous silicon)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/15 12:39
S35	1	"5906792" .pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/15 12:40
S36	1	"4265720".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/15 12:40
S37	13	("3852175").PN. OR ("4265720").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/15 12:40
S38	7	("4385726"   "4389326"   "4436539"   "5536586").PN. OR ("5906792").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/15 13:48

## EAST Search History

S39	13441	hydrogen stor\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/05/15 14:04
S40	1050	S39 and Silicon	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/05/15 14:04
S41	31	S40 and (porous silicon)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/05/15 14:09
S42	2277	423/650-654.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/05/15 14:09
S43	20411	hydrogen near3 stor\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/05/15 14:29
S44	1931	S43 and silicon	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/05/15 14:14
S45	54	S44 and (porous silicon)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/05/15 14:15
S46	223	(hydrogen near3 stor\$3) with silicon	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/05/15 14:42
S48	0	(hydrogen near3 stor\$3) with (silicon rods)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/05/15 14:45
S49	3	(hydrogen near3 stor\$3) same (silicon rods)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/05/15 14:45

## EAST Search History

S50	4	"5272355".pn. or "5285078".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/05/18 16:06
S51	1	2002-217167.NRAN.	DERWENT	ADJ	ON	2007/05/21 08:54
S52	4	("4431561"   "4551400"   "6193929"   "6334911").PN. OR ("6726783").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/21 10:21
S53	76714	silicon and porous	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/21 10:22
S56	4624	S53 and (porous silicon)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/21 10:31
S57	162	S56 and (fuel cell)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/21 10:26
S58	3	"4431762"	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/21 10:26
S59	4	"4431562"	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/21 10:26
S61	890	S56 and (void)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/21 10:31
S62	16	S61 and (void near3 "50")	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/21 10:32
S63	13	S61 and (void near3 50%)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/21 10:32
S64	4	("4265720").PN. OR ("4431562"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/21 10:36
S65	3907	hydrogen storage	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/21 10:36
S66	782	S65 and silicon	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/21 10:36
S67	96	S66 and (integrated circuit)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/21 10:36

# EAST Search History

S68	244	("1226205"   "1266605"   "1525073"   "1536065"   "1555718"   "1771400"   "20020029820"   "20020073618"   "20020117123"   "20030026757"   "20030070487"   "20040009121"   "20040016769"   "20040023087"   "2070708"   "2773561"   "3165099"   "3260620"   "3357864"   "3432354"   "3436270"   "3454429"   "3532548"   "3536535"   "3577281"   "3663298"   "3674702"   "3717505"   "3822149"   "3842248"   "3926169"   "3928072"   "3932600"   "3963519"   "3975913"   "3977990"   "3980061"   "4000003"   "4002726"   "4051072"   "4056373"   "4085590"   "4164912"   "4185979"   "4186712"   "4211537"   "4214699"   "4249654"   "4302179"   "4319552"   "4343272"   "4359396"   "4383198"   "4394160"   "4406867"   "4415512"   "4415896"   "4431520"   "4433063"   "4436537"   "4448160"   "4459270"   "4468854"   "4477415"   "4482134"   "4489049"   "4497973"   "4537761"   "4537839"   "4546740"   "4570446"   "4589919"   "4599867"   "4608560"   "4608830"   "4613362"   "4684751"   "4687650"   "4716736"   "4728580"   "4757456"   "4783374"   "4793980"   "4799156"   "4809771"   "4820957"   "4867785"   "4887556"   "4936869"   "5080875"   "5104838"   "5125574"   "5126104"   "5217506"   "5219678"   "5220801"   "5227047"   "5248649"   "5250368"   "5277705"   "5277999"   "5283572"   "5296438"   "5315531"   "5330858"   "5330861"   "5360461"   "5372617"   "5372629"   "5383113"   "5411928"   "5443616"   "5451474"   "5456740"   "5465206"   "5483455"   "5495239"   "5499279"   "5504223"   "5506069"   "5512787"   "5532074"). PN. OR ("5536591"   "5554456"   "5557254"   "5572438"   "5578108"   "5590197"   "5605585"   "5612149"   "5616432"   "5649117"   "5654115"   "5654886"   "5684965"   "5688611"   "5696906"   "5697221"   "5699276"   "5699528"   "5702491"   "5703257"   "5710889"   "5728464"   "5738953"   "5762119"   "5771946"   "5778972"   "5780701"   "5797269"   "5817157"   "5840437"   "5840440"   "5852993"   "5882611"   "5908487"   "5932372"   "5943656"   "5961697"   "5962155"   "5964965"   "5965267"   "5980726"   "5987895"   "6052671"   "6074447"   "6074453"   "6086729"   "6088659"   "6088688"   "6106801"   "6110651"	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/21 10:44
5/24/2007 9:25:20 AM C:\Documents and Settings\jthompson\My Documents\EAST\Workspaces\10824719.wsp					Page 6	

## EAST Search History

S69	63	S65 and ((light-emitting diode) or (light emitting diode))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/05/21 11:33
S70	19	S65 and (hydrogen with ((light-emitting diode) or (light emitting diode)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/05/22 11:36
S71	10	("4928496").PN. OR ("5797269").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/21 11:43
S72	2	S65 and (silicon (rods or columns))	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/21 11:46
S73	8	S65 and (silicon same (aspect ratio))	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/21 12:38
S74	2	S65 and (silicon (rods or columns or whiskers))	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/21 11:46
S75	87	S65 and (silicon with wafer)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/21 12:38
S76	11943	hydrogen storage	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/05/21 15:38
S77	1764	S76 and (transistor or capacitor or resistor or sensor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/05/21 15:38
S78	374	S77 and silicon	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/05/21 15:38
S79	167	S78 and (hydrogen storage same (transistor or capacitor or resistor or sensor))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/05/21 15:39
S80	3915	hydrogen storage	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/22 11:36

## EAST Search History

S81	23	S80 and (hydrogen same((light-emitting diode) or (light emitting diode)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/05/22 12:11
S82	196274	(light emitting diode) or (light-emitting diode)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/05/22 12:06
S83	781	S82 and ((released or release or releasing) with ((light emitting diode) or (light-emitting diode)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/05/22 12:09
S84	31	S83 and hydrogen	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/05/22 12:03
S86	0	S82 and (((released or release or releasing) same hydrogen) with ((light emitting diode) or (light-emitting diode)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/05/22 12:06
S87	369	S82 and (hydrogen near3 releas\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/05/22 12:07
S88	63	S80 and ((light-emitting diode) or (light emitting diode))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/05/22 12:08
S93	8	S80 and (photon and ((light emitting diode) or (light-emitting diode)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/05/22 12:15
S94	11951	hydrogen storage	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/05/22 14:22
S95	651	S94 and ((hydrogen storage) same (transistor or resistor or capacitor or sensor))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/05/22 14:35



## EAST Search History

S96	8	S94 and ((hydrogen storage) same (circuit board))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/05/22 14:30
S97	109	S94 and ((hydrogen storage) and (circuit board))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/05/22 14:31
S98	167	S95 and silicon	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/05/22 14:33
S99	16	S94 and ((hydrogen storage) same (resistor))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/05/22 14:37
S10 0	175	S94 and ((hydrogen storage) same (capacitor))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/05/22 14:44
S10 1	77	S94 and ((hydrogen storage) same (transistor))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/05/22 14:44
S10 2	9082	hydrogen near2 (storage or tank or receptacle or container)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/22 15:49
S10 3	0	(hydrogen near2 (storage or tank or receptacle or container)) with (((built in) or (built-in)) ((integrated circuit) or (IC) or sensor or transistor or resistor or capacitor or (circuit board)))	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/22 15:53
S10 4	0	(hydrogen near2 (storage or tank or receptacle or container)) with (((built in) or (built-in)) near2 ((integrated circuit) or (IC) or sensor or transistor or resistor or capacitor or (circuit board)))	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/22 15:51
S10 5	16	S102 and (((built in) or (built-in)) with ((integrated circuit) or IC or sensor or capacitor or transistor or resistor or (circuit board)))	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/22 15:52

## EAST Search History

S10 6	1	(hydrogen near2 (storage or tank or receptacle or container)) with (((built in) or (built-in)) with ((integrated circuit) or (IC) or sensor or transistor or resistor or capacitor or (circuit board)))	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/22 15:57
S10 7	1	(hydrogen near2 (storage or tank or receptacle or container)) with (((built in) or (built-in)) with ((integrated circuit) or (IC) or sensor or transistor or resistor or capacitor or (memory cells) or (memory arrays) or (circuit board)))	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/22 15:59
S10 8	0	(hydrogen near2 (storage or tank or receptacle or container)) with (((built in) or (built-in)) with ((integrated control) or (digital circuitry)))	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/22 16:00
S11 0	1	(hydrogen near2 (storage or tank or receptacle or container)) with ((integrated control) or (diagnostic circuitry))	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/22 16:02
S11 1	20608	hydrogen near2 (tank or storage or receptacle or container)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/05/22 17:15
S11 2	1	S102 with (((built in) or (built-in)) with ((integrated circuit) or (IC) or sensor or capacitor or transistor or (memory (array or cell)) or resistor))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/05/22 17:17
S11 3	1	S102 with (((built in) or (built-in)) with ((integrated circuit) or (IC) or sensor or capacitor or transistor or (memory (array or cell)) or resistor))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/05/22 17:18
S11 4	0	S102 with (((built in) or (built-in)) ((integrated circuit) or (IC) or sensor or capacitor or transistor or (memory (array or cell)) or resistor))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/05/22 17:19
S11 5	10610	silicon near3 porous	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/05/23 17:54

## EAST Search History

S11 6	509	S115 and (silicon with (column or columnar or rod))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/05/23 17:59
S11 7	94	S116 and (aspect ratio)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/05/23 17:58
S11 8	21	S115 and ((silicon with (column or columnar or rod)) with (aspect ratio))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/05/24 07:56
S11 9	29	S115 and ((silicon with (column or columnar or rod)) same (aspect ratio))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/05/23 18:00
S12 0	8	S119 not S118	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2007/05/23 18:00